

Claims

1. A seabed installation apparatus comprising
5 a soil penetration means
 a deployment line from which the soil penetration means is suspended
- 10 a mooring line attached to the soil penetration means
 the mooring line being releasably secured to the deployment line.
2. An apparatus according to claim 1 wherein the mooring line is
15 shorter than the deployment line.
3. An apparatus according to any previous claim wherein the deployment line supplies power to the soil penetration means.
- 20 4. An apparatus according to any previous claim wherein the deployment line is releasably attached to the soil penetration means.
5. An apparatus according to any previous claim wherein the mooring line is releasably secured to the deployment line substantially along the
25 length of the mooring line.
6. An apparatus according to any of claims 3 to 5 wherein the deployment line supplies electric power to the soil penetration means.

7. An apparatus according to any of claims 3 to 6 wherein the deployment line supplies hydraulic power to the soil penetration means.
8. An apparatus according to any previous claim wherein the soil penetration means includes an auger.
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9. An apparatus according to any previous claim wherein the apparatus includes fins capable of resisting torque generated by the action of the soil penetration means.
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10. An apparatus according to any previous claim wherein there is included measurement and control means capable of assessing the penetration characteristics of the soil penetration means and altering the action of the soil penetration means in response to the penetration
15 characteristics.
11. An apparatus according to claim 10 wherein the current supplied to the soil penetration means is measured.
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12. An apparatus according to any previous claim wherein the soil penetration means includes securement elements having a changeable profile, when considered in the direction of the mooring line